

EAST SEARCH HISTORY

HITS	QUERY	DATABASE								
	2 20020001029.pn.	US-PGPUB; USPAT; EPO, JPO; DERWENT; IBM, TDB								
	32 (US-5201011-\$ or US- 5511148-\$ or US-5581637-\$ or US-5668897-\$ or US- 5748780-\$ or US-5760925-\$ or US-5764383-\$ or US- 5764508-\$ or US-6005547-\$ or US-6023534-\$ or US- 6028672-\$ or US-6044165-\$ or US-6067112-\$ or US- 6219057-\$ or US-6256411-\$ or US-6266057-\$ or US- 6317762-\$ or US-6320983-\$ or US-6335724-\$ or US- 6339656-\$ or US-6377700-\$ or US-6429856-\$ or US- 6445820-\$ or US-6493469-\$ or US-6501461-\$ or US- 6563948-\$).did. or (US- 6567078-\$ or US-6643401-\$ or US-6674893-\$ or US- 6701013-\$ or US-6720949-\$ or US-6750873-\$).did.	USPAT								
	2 (US-5764383-\$ or US- 5760925-\$).did.	USPAT								
	20 ("4910601" "4965499" "4980720" "5084611" "5119206" "5194729" "5212568" "5243665" "5276530" "5359207" "5377019" "5416609" "5511148" "5585926").PN. OR ("5760925").URPN.	US-PGPUB; USPAT; USOCR								

32 ("4723297" "4776027" "4807296" "4980720" "5084611" "5119206" "5140646" "5187753" "5212568" "5243665" "5276530" "5359207" "5377019" "5416609" "5497236" "5585926" "5616914" "5659404" "5677776").PN. OR ("5764383").URPN.	US-PGPUB; USPAT; USOCR								
40 S119 or S118 and @ad<"20000629"	US-PGPUB; USPAT; USOCR								
40 S119 or S118 and @ad<"20000629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB								
1 (US-6044165-\$.d.id.	USPAT								
1 S122 and differ\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
1 S122 and differ\$6 and subtract\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
22 ("4315282" "5157737" "5181255" "5226091" "5297216" "5317140" "5323470" "5325447" "5333209" "5337370" "5347295" "5347477" "5365598" "5436639" "5552823" "5581276").PN. OR ("6044165").URPN.	US-PGPUB; USPAT; USOCR								
20 S125 and @ad<"20000629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB								

13	(US-5377019-\$ or US-5585926-\$ or US-5748780-\$ or US-5760925-\$ or US-5764383-\$ or US-5886342-\$ or US-5894529-\$ or US-5940544-\$ or US-6044165-\$ or US-6256411-\$ or US-6345763-\$ or US-6633671-\$ or US-5436639-\$).did.	USPAT								
2	(platenless with scann\$3).ti. and ("358" or "382").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
2128	(camera or (structured adj1 light) or (active adj (stereo or rang\$3 or vision)) or ((pattern\$ near1 light) near4 project\$4)) same (ocr or "optical character recognition" or (reading near3 (text or manuscript or writing or handwriting or hand?writing))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
413	S133 and ("382" or "348" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
4	((structured adj1 light) or (active adj (stereo or rang\$3 or vision)) or ((pattern\$ near1 light) near4 project\$4)) same (ocr or "optical character recognition" or (reading near3 (text or manuscript or writing or handwriting or hand?writing))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
0	S135 and ("382" or "348" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
1	S135 and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								

2126	(camera) same (ocr or "optical character recognition" or (reading near3 (text or manuscript or writing or handwriting or hand?writing)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
1167	(camera) with (ocr or "optical character recognition" or (reading near3 (text or manuscript or writing or handwriting or hand?writing)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
115	S139 and ("382" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
572	(camera) with (ocr or "optical character recognition" or (reading near3 (text or manuscript or handwriting or hand?writing)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
73	S141 and ("382" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
51	("468694" "4667248" "4694354" "4806709" "4855830" "5025314" "5163012" "5191440" "5239373" "5300943" "5309555" "5365266" "5377019" "5394517" "5410649" "5436639").PN. OR ("551148").URPN.	US-PGPUB; USPAT; USOCR								
17	S143 and ("382" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
10	("5168531" "5436639" "5511148" "5617312" "5732227" "6043805" "6044165" "6160899" "6292169" "6411732").PN.	US-PGPUB; USPAT; USOCR								

34	S143 and (not S144)	US-PGPUB; USPAT; USOCR							
31	S147 and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
682	abe-TSUTOMU.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
3	abe-TSUTOMU.in. and ("382" or "358").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
6	abe-TSUTOMU.in. and ("348").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
0	abe-TSUTOMU.in. and ("345").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
0	abe-TSUTOMU.in. and ("707").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
91	ogawa-yasuji.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
1	ogawa-yasuji.in. and ("358" or "382").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
17	ogawa-yasuji.in. and ("345" or "348").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
86	(virtual or digital) adj1 (desktop or desk) and ("382" or "358" or "348" or "715").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							
4	(virtual or digital) adj1 (desktop or desk) and ("382" or "358" or "348" or "715").clas. and @ad<"20000629" and (ocr or "optical character recognition" or handwriting or handwriting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB							

5 (open adj1 book adj1 scann\$3) and ("358" or "382"), clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
22 (US-5377019-\$ or US- 5436639-\$ or US-5585926-\$ or US-5748780-\$ or US- 5760925-\$ or US-5764383-\$ or US-5886342-\$ or US- 5894529-\$ or US-5940544-\$ or US-6044165-\$ or US- 6256411-\$ or US-6345763-\$ or US-6633671-\$ or US- 5511148-\$ or US-5335292-\$ or US-6411732-\$ or US- 5732227-\$ or US-5239373-\$ or US-6178270-\$ or US- 6697536-\$ or US-6356298-\$ or US-5581637-\$). did.	USPAT								
25 S161 and (not S160)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
15 S160 and (not S161)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								

[illegible]

9	(skew near3 (adjust\$5 or correct\$6)) and (stereo\$8 or (structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3)) or (pattern near2 project\$8)) and ("382" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
0	bunke.in. and handwriting	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
0	bunke.in. and camera	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
15	(skew near5 (adjust\$5 or correct\$6)) and (stereo\$8 or (structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3)) or (pattern near2 project\$8)) and ("382" or "358").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
1	(US-5436639-\$).did.	USPAT								
1	S184 and three\$16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
1	(US-6256411-\$).did.	USPAT								
1	S186 and height	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
60	saund-eric.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								

60	(US-20020171731-\$ or US-20030142106-\$ or US-20030142112-\$ or US-20030179202-\$ or US-20030179214-\$ or US-20030179235-\$ or US-20030182630-\$ or US-20040042680-\$).did. or (US-5485565-\$ or US-5528290-\$ or US-5553224-\$ or US-5581637-\$ or US-5659766-\$ or US-5687364-\$ or US-5751855-\$ or US-5760925-\$ or US-5764383-\$ or US-5835241-\$ or US-6005482-\$ or US-6326946-\$ or US-6367901-\$ or US-6367902-\$ or US-6368002-\$ or US-6377710-\$ or US-6411732-\$ or US-6411733-\$ or US-6457792-\$ or US-6517266-\$ or US-6570612-\$).did. or (EP-1030263-\$ or EP-1259058-\$ or EP-1331591-\$ or EP-1331592-\$ or EP-1349053-\$ or EP-1349054-\$ or EP-637795-\$ or EP-637812-\$ or EP-701224-\$ or EP-701225-\$ or EP-701226-\$ or EP-715274-\$ or EP-987622-\$).did. or (JP-07064756-\$ or JP-07093527-\$ or JP-08087594-\$ or JP-08101883-\$ or JP-08106354-\$ or JP-2000099591-\$ or JP-2000227960-\$ or JP-2001187500-\$ or JP-2001199188-\$ or JP-2001256031-\$ or JP-2003048343-\$ or JP-	US-PGPUB; USPAT; EPO; JPO					
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9	(US-4511252-\$ or US-4687326-\$ or US-4794262-\$ or US-5102223-\$ or US-5831719-\$ or US-5848188-\$ or US-6057909-\$ or US-6356298-\$ or US-6819869-\$).did.	USPAT						
9	S200 and differen\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
2	S200 and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
1	(US-6044165-\$).did.	USPAT						
1	S203 and diff\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
1	(US-6044165-\$).did.	USPAT						
1	S205 and (diff\$6 or substra\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
1	S205 and velocity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
11572	L1 and video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
1	(US-6044165-\$).did.	USPAT						
1	S209 and video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
1	S209 and relative	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						

58	(US-20010016084-\$).did. or (US-5239373-\$ or US-5335292-\$ or US-5377019-\$ or US-5436639-\$ or US-5511148-\$ or US-5528290-\$ or US-5581637-\$ or US-5585926-\$ or US-5732227-\$ or US-5748780-\$ or US-5760925-\$ or US-5764383-\$ or US-5886342-\$ or US-5894529-\$ or US-5940544-\$ or US-6044165-\$ or US-6178270-\$ or US-6256411-\$ or US-6345763-\$ or US-6356298-\$ or US-6411732-\$ or US-6570612-\$ or US-6633671-\$ or US-6697536-\$).did. or (EP-1067362-\$).did. and kang	US-PGPUB; USPAT; EPO; DERWENT							
58	(US-20010016084-\$).did. or (US-5239373-\$ or US-5335292-\$ or US-5377019-\$ or US-5436639-\$ or US-5511148-\$ or US-5528290-\$ or US-5581637-\$ or US-5585926-\$ or US-5732227-\$ or US-5748780-\$ or US-5760925-\$ or US-5764383-\$ or US-5886342-\$ or US-5894529-\$ or US-5940544-\$ or US-6044165-\$ or US-6178270-\$ or US-6256411-\$ or US-6345763-\$ or US-6356298-\$ or US-6411732-\$ or US-6570612-\$ or US-6633671-\$ or US-6697536-\$).did. or (EP-1067362-\$).did. and S219	US-PGPUB; USPAT; EPO; DERWENT							

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32	"4723297" "4776027" "4807296" "4980720" "5084611" "5119206" "5140646" "5187753" "5212568" "5243665" "5276530" "5359207" "5377019" "5416609" "5497236" "5585926" "5616914" "5659404" "5677776"), PN. OR ("5764383"), URPN.	US-PGPUB; USPAT; USOCR						
20	"4910601" "4965499" "4980720" "5084611" "5119206" "5194729" "5212568" "5243665" "5276530" "5359207" "5377019" "5416609" "5511148" "5585926"), PN. OR ("5760925"), URPN.	US-PGPUB; USPAT; USOCR						
40	S244 or S243 and @ad<"20000629"	US-PGPUB; USPAT; USOCR						
1	(US-6044165-\$).did.	USPAT						
23992371	S219 and S219 and S245 or S246 or (not S219)	US-PGPUB; USPAT; EPO; DERWENT						
9	S247 and S219	US-PGPUB; USPAT; EPO; DERWENT						

58	(US-20010016084-\$.did. or (US-5239373-\$ or US-535292-\$ or US-5377019-\$ or US-5436639-\$ or US-5511148-\$ or US-5528290-\$ or US-5581637-\$ or US-5585926-\$ or US-5732227-\$ or US-5748780-\$ or US-5760925-\$ or US-5764383-\$ or US-5886342-\$ or US-5894529-\$ or US-5940544-\$ or US-6044165-\$ or US-6178270-\$ or US-6256411-\$ or US-6345763-\$ or US-6356298-\$ or US-6411732-\$ or US-6570612-\$ or US-6633671-\$ or US-6697536-\$.did. or (EP-1067362-\$.did. or (US-20010016084-\$.did. or (US-5239373-\$ or US-5335292-\$ or US-5377019-\$ or US-5436639-\$ or US-5511148-\$ or US-5528290-\$ or US-5581637-\$ or US-5585926-\$ or US-5732227-\$ or US-5748780-\$ or US-5760925-\$ or US-5764383-\$ or US-5886342-\$ or US-5894529-\$ or US-5940544-\$ or US-6044165-\$ or US-6178270-\$ or US-6256411-\$ or US-6345763-\$ or US-6356298-\$ or US-6411732-\$ or US-6570612-\$ or US-6633671-\$.did. or (EP-1067362-\$.did. and S247	US-PGPUB; USPAT; EPO; DERWENT								
1352	(structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3)) and ((infrared or infra?red) with filter with visible with camera)	US-PGPUB; USPAT; EPO; DERWENT								

1352	(structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3)) and ((infrared or infra?red) with filter with visible with camera) and ("382" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; DERWENT							
154	S251 and ("382" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; DERWENT							
0	((structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3))) and ((infrared or infra?red) with filter with visible with camera) and ("382" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; DERWENT							
5	((structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3))) and ((infrared or infra?red) with filter with visible with camera)	US-PGPUB; USPAT; EPO; DERWENT							
7	((structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3))) and ((infrared or infra?red) with filter with visible same camera)	US-PGPUB; USPAT; EPO; DERWENT							
1	S255 and ("382" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; DERWENT							
34	((structured adj1 light\$3) or (active adj1 (vision or ranging or light\$3))) and ((infrared or infra?red) with filter with visible)	US-PGPUB; USPAT; EPO; DERWENT							
10	S257 and ("382" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; DERWENT							

123 ((surface) with displac\$8) same difference and (handwriting or pen or pencil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
4 S289 and ("382" or "358" or "348").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
4 ((surface or paper) with (move\$ or displac\$8)) and (difference near3 (frames or images) with previous) and (handwriting or pen or pencil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
0 paper same handwriting same video same (move\$6 or displace\$5) same correct	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
456 paper same handwriting same video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
22 S293 and ("382" or "358" or "348").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
7 S293 and ("345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								
22 ("4315282" "5157737" "5181255" "5226091" "5297216" "5317140" "5323470" "5325447" "5333209" "5337370" "5347295" "5347477" "5365598" "5436639" "5552823" "5581276").PN. OR ("6044165").URPN.	US-PGPUB; USPAT; USOCR								
58 (align or register) with "previous frames" with difference	US-PGPUB; USPAT; USOCR								
9 S297 and ("382" or "358" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB								

32	(compar\$4 with previous with (frames or images)) same (misalign\$5 or skew\$3 or rotated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
7	S313 and ("382" or "358" or "348" or "345").clas. and @ad<"20000629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						
2	5,748,780.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB						

EAST SEARCH TAGGED

patent #	type	pub date	title	class1	class2	inventor			
US 6356298 B1	USPAT	20020312	Three-dimensional image photographing system	348/47		Abe; Tsutomu et al.			
US 5436639 A	USPAT	19950725	Information processing system	345/156	345/175	Arai; Toshifumi et al.			
US 5581637 A	USPAT	19961203	System for registering component image tiles in a camera-based scanner device transcribing scene images	382/284	382/294	Cass; Todd A. et al.			
US 5585926 A	USPAT	19961217	Document reading apparatus capable of rectifying a picked up image data of documents	358/471	355/47; 355/52; 355/55; 358/474; 358/479; 358/488	Fujii; Shinichi et al.			
US 6256411 B1	USPAT	20010703	Image processing device and method for detecting objects in image data	382/203	358/486; 358/488; 358/493; 382/199; 382/215; 382/317	Iida; Kentaro			
US 5732227 A	USPAT	19980324	Interactive information processing system responsive to user manipulation of physical objects and displayed images	345/775		Kuzunuki; Soshio et al.			
US 5335292 A	USPAT	19940802	Document processing system and method	382/163	382/175	Lovelady; Kenneth T. et al.			
US 6125197 A	USPAT	20000926	Method and apparatus for the processing of stereoscopic electronic images into three-dimensional computer models of real-life objects	382/154	256/12; 345/420	Mack; Walter J. et al.			
US 6345763 B1	USPAT	20020212	Image reading apparatus for reading a bookform document placed on a document table in face-up state	235/459	250/208.1; 399/362; 399/377	Matsuda; Shinya et al.			
US 5886342 A	USPAT	19990323	Image reader and document curvature measurement using visible and infrared light	250/208.1	358/474; 358/493	Matsui; Toru			

US 6633671 B2	USPAT	20031014	Camera-based handwriting tracking	382/187		Munich; Mario E. et al.			
US 5940544 A	USPAT	19990817	Apparatus for correcting skew, distortion and luminance when imaging books and the like	382/293	358/496; 358/497; 382/275; 382/289	Nako; Kazuyuki			
US 5377019 A	USPAT	19941227	Document reading apparatus having a function of determining effective document region based on a detected data	358/464	358/448; 358/463	Okisu; Noriyuki et al.			
US 6044165 A	USPAT	20000328	Apparatus and method for tracking handwriting from visual input	382/103	345/179; 382/186; 382/313	Perona; Pietro et al.			
EP 1067362 A	DERWENT	20010110	Platenless document imaging system, using digital camera, calculates three-dimensional profile of the document relative to a reference surface from light stripes projected onto document			PILU, M			
EP 1067362 A1	EPO	20010110	Document imaging system			PILU, MAURIZIO			
US 20010016084 A1	US-PGPUB	20010823	Framing aid for a document capture device	382/317		Pollard, Stephen Bernard et al.			
US 5528290 A	USPAT	19960618	Device for transcribing images on a board using a camera based board scanner	348/218.1	382/284	Saund; Eric			
US 6411732 B1	USPAT	20020625	Method for interpreting hand drawn diagrammatic user interface commands	382/187	345/863; 715/541	Saund; Eric			
US 5760925 A	USPAT	19980602	Platenless book scanning system with a general imaging geometry	358/497	355/25; 355/82; 358/474; 399/362	Saund; Eric et al.			
US 5764383 A	USPAT	19980609	Platenless book scanner with line buffering to compensate for image skew	358/497	355/25; 358/474; 358/488; 358/493; 382/289; 399/362	Saund; Eric et al.			

US 6570612 B1	USPAT	20030527	System and method for color normalization of board images	348/218.1	348/239	Saund; Eric et al.			
US 5748780 A	USPAT	19980505	Method and apparatus for imaging, image processing and data compression	382/232		Stolfo; Salvatore J.			
US 5239373 A	USPAT	19930824	Video computational shared drawing space	348/14.01	178/18.01; 345/179; 348/552; 348/61	Tang; John C. et al.			
US 6178270 B1	USPAT	20010123	Method and apparatus for selecting text and image data from video images	382/284	358/453; 382/173; 382/289	Taylor; Michael J. et al.			
US 5894529 A	USPAT	19990413	Desk-top three-dimensional object scanner	382/312	358/474	Ting; Jack			
US 5511148 A	USPAT	19960423	Interactive copying system	358/1.6	345/156; 715/530	Wellner; Pierre D.			
US 6697536 B1	USPAT	20040224	Document image scanning apparatus and method thereof	382/275	358/461; 358/463; 358/464; 358/515; 382/163; 382/164; 382/165; 382/203; 382/219	Yamada; Keiji			